



Universal Robots UR5

Lightweight, flexible collaborative robot. The robot includes freedrive mode, force-sensing for collision detection and several wide spread end of arm tooling. Flexible and safe to work with, without the need of cage or additional safety systems. High repeatability and speed, quick to program. Tool flange presents 12V/24V, 600 mA power supply, with Ethernet communication protocol. Alternative solutions (serial or custom) are available for different end-effectors. 2/2 Digital I/Os and 2 Analog inputs.

Key Features

- Maximum load per arm: 5 kg
- Position repeatability: ± 0.1 mm
- Reach: 850 mm
- Programmable via Polyscope (HMI pendant), script or ROS
- TCP/IP Ethernet socket and Modbus TCP

Possible Applications

- Handling of materials, lightweight tools and small parts
- Measuring, testing and inspection
- Assembling and processing of small parts
- Human interaction and collaboration



Access information

Corresponding infrastructure	University of the West of England Robotics Innovation Facility
Location	Coldharbour Ln, Stoke Gifford, Bristol BS16 1QY, UK
Unit of access	Working day

Technical specifications

DoA	6
Interface	Various
Power supply	N/A
Weight	N/A
Maximum total payload	5 kg

Additional information

Additional information available [here](#).